

**REMARKS**

**Status of Claims:**

Claims 37-48 remain withdrawn. Claims 1-3, 12-14, 25-27, 49-51, 60-62, and 73-75 have been cancelled. Thus, claims 4-11, 15-24, 28-36, 52-59, 63-72, and 76-85 remain present for examination.

**Allowable Subject Matter:**

Applicant expresses appreciation to the Examiner for the indication that claims 4-11, 15-22, 28-34, 52-59, 63-70, and 76-83 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

**Objection to the Abstract:**

The abstract of the disclosure is objected to under MPEP 608.01(b) because the current abstract is ambiguous as to what enables the potential dependency detection. The Examiner stated that some indication of the hashed function entry table is desired.

The abstract has been amended to clarify that the dependency detection is enabled by an execution history storing unit and an address converter. Thus, the abstract is now believed to be in compliance with the requirements of MPEP 608.01(b).

**Indefiniteness Rejection:**

Claims 1-36 and 49-85 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1-3, 12-14, 25-27, 49-51, 60-62, and 73-75 have been cancelled.

With respect to claims 4-11, 15-24, 28-36, 52-59, 63-72, and 76-85, the rejection is respectfully traversed.

The Examiner stated that claim 4 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim 4 has been amended to be an independent claim and to include most of the limitations of the previously pending base claim 1 and the previously pending intervening claims 2 and 3. In addition, claim 4 has been further amended to clarify how the dependency presence and pseudo presence are detected.

Therefore, independent claim 4, as amended, is believed to be allowable.

Claim 15 has been amended to be an independent claim and to include most of the limitations of the previously pending base claim 12 and the previously pending intervening claims 13 and 14. In addition, claim 15 has been further amended to clarify how the dependency presence and pseudo presence are detected.

Therefore, independent claim 15, as amended, is believed to be allowable.

Claim 28 has been amended to be an independent claim and to include most of the limitations of the previously pending base claim 25 and the previously pending intervening claims 26 and 27. In addition, claim 28 has been further amended to clarify how the dependency presence and pseudo presence are detected.

Therefore, independent claim 28, as amended, is believed to be allowable.

Claim 52 has been amended to be an independent claim and to include most of the limitations of the previously pending base claim 49 and the previously pending intervening claims 50 and 51. In addition, claim 52 has been further amended to clarify how the dependency presence and pseudo presence are detected.

Therefore, independent claim 52, as amended, is believed to be allowable.

Claim 63 has been amended to be an independent claim and to include most of the limitations of the previously pending base claim 60 and the previously pending intervening claims 61 and 62. In addition, claim 63 has been further amended to clarify how the dependency presence and pseudo presence are detected.

Therefore, independent claim 63, as amended, is believed to be allowable.

Claim 76 has been amended to be an independent claim and to include most of the limitations of the previously pending base claim 73 and the previously pending intervening claims 74 and 75. In addition, claim 76 has been further amended to clarify how the dependency presence and pseudo presence are detected.

Therefore, independent claim 76, as amended, is believed to be allowable.

The dependent claims are deemed allowable for at least the same reasons indicated above with regard to the independent claims from which they depend.

**Conclusion:**

Applicant believes that the present application is now in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

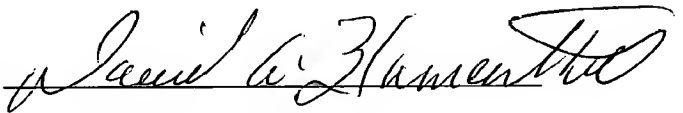
The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

Respectfully submitted,

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